

# Hen-geul Yeh

## List of Publications by Year in descending order

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69  
papers

758  
citations

1307594

7  
h-index

677142

22  
g-index

69  
all docs

69  
docs citations

69  
times ranked

605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive VAR Control for Distribution Circuits With Photovoltaic Generators. IEEE Transactions on Power Systems, 2012, 27, 1656-1663.	6.5	356
2	A scheme for cancelling intercarrier interference using conjugate transmission in multicarrier communication systems. IEEE Transactions on Wireless Communications, 2007, 6, 3-7.	9.2	81
3	Coherent power combining on spacecraft via wavefront multiplexing techniques. , 2013, , .		29
4	Dynamic power allocation via wavefront multiplexing through multiple base stations. , 2012, , .		27
5	Orthogonal wavefront-multiplexing architecture for communications in non-contiguous channels. , 2013, , .		27
6	Architectures for MIMO-OFDM Systems in Frequency-Selective Mobile Fading Channels. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 1189-1193.	3.0	26
7	Wavelet and Denoising Techniques for Real-Time HIF Detection in 12-kV Distribution Circuits. IEEE Systems Journal, 2019, 13, 4365-4373.	4.6	24
8	A parallel ICI cancellation technique for OFDM systems. , 2012, , .		23
9	Economics of residential energy arbitrage in california using a PV system with directly connected energy storage. , 2015, , .		17
10	Implementation and Performance of a M-ary PSK and QAM-OFDM System in a TMS320VC5416 Digital Signal Processor. , 2007, , .		15
11	PV ramp limiting controls with adaptive smoothing filter through a battery energy storage system. , 2014, , .		15
12	Feature Extraction, Selection, and K-Nearest Neighbors Algorithm for Shark Behavior Classification Based on Imbalanced Dataset. IEEE Sensors Journal, 2021, 21, 6429-6439.	4.7	11
13	BER Performance of Space-Time Parallel ICI Cancellation of OFDM in MIMO Power Line Communications. IEEE Systems Journal, 2021, 15, 1742-1752.	4.6	10
14	Model Predictive Control via PV-Based VAR Scheme for Power Distribution Systems With Regular and Unexpected Abnormal Loads. IEEE Systems Journal, 2020, 14, 689-698.	4.6	8
15	Classification of Shark Behaviors using K-Nearest Neighbors. , 2019, , .		7
16	A Robust Model Predictive Control-Based Scheduling Approach for Electric Vehicle Charging With Photovoltaic Systems. IEEE Systems Journal, 2023, 17, 111-121.	4.6	6
17	Space-Frequency Parallel Transmitter Diversity Techniques for Three Pre-Coded OFDM Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1024-1028.	3.0	5
18	Low complexity demodulator for M-ary QAM. , 2007, , .		4

#	ARTICLE	IF	CITATIONS
19	Software-defined radio for OFDM transceivers. , 2010, , .		4
20	High impedance fault detection using orthogonal transforms. , 2014, , .		4
21	Optimal Control Methods for Photovoltaic Enabled Grid With Abnormal Power Loads. IEEE Systems Journal, 2020, 14, 852-861.	4.6	4
22	Improvement of Classification of Shark Behaviors using K-Nearest Neighbors. , 2020, , .		4
23	Parallel implementation of the fast Fourier transform on two TMS320C25 digital signal processors. IEEE Transactions on Industrial Electronics, 1994, 41, 132-135.	7.9	3
24	Multiple orthogonal beams with multi-user and frequency reuse via active scattering devices. , 2016, , .		3
25	Design Spaceâ€Time Trellis-Coded Intercarrier Interference Parallel Cancellation Architectures for OFDM Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 530-534.	3.0	3
26	A Study of mm-Wave Communications With Noncontiguous Aperture. IEEE Systems Journal, 2018, 12, 3889-3892.	4.6	3
27	Achievable Capacity of Multi-Polarization MIMO (MP-MIMO) toward 6G Wireless Communications. , 2019, , .		3
28	Achievable Capacity of Multipolarization MIMO With the Practical Polarization-Agile Antennas. IEEE Systems Journal, 2021, 15, 3081-3092.	4.6	3
29	Time hopped transmitted reference with multiple autocorrelation sampling for ultra wideband radio. IEEE Communications Letters, 2009, 13, 767-769.	4.1	2
30	Hadamard SCFDMA-A modified uplink transmission scheme with low PAPR and SER. , 2015, , .		2
31	A high-speed color-based object detection algorithm for quayside crane operator assistance system. , 2017, , .		2
32	Space-time code orthogonal frequency division multiplexing in power line communications. , 2017, , .		2
33	An aided information to characterize ECG signals as normal or abnormal. , 2017, , .		2
34	Symlets Techniques for Real Time Detection of Transients generated by HIF in the 12 kV Distribution Circuits. , 2018, , .		2
35	Design Adaptive MIMO Space-Time-Frequency Conjugate Two-Path OFDM Systems. IEEE Systems Journal, 2019, 13, 2443-2453.	4.6	2
36	Space-Frequency Conjugate Two-Path Transmission for Precoded OFDM Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 587-591.	3.0	2

#	ARTICLE	IF	CITATIONS
37	Fault Classification in Microgrids using Deep Learning. , 2020, , .		2
38	Required bandwidth, unwanted emission, and data power efficiency for residual and suppressed carrier systems-a comparative study. IEEE Transactions on Electromagnetic Compatibility, 1995, 37, 34-50.	2.2	1
39	Cascaded Forward-Backward Least Mean Square Adaptive Predictors. , 2008, , .		1
40	Beamforming solvability in 3D space using active scattering devices. , 2016, , .		1
41	Transmitter beam-forming techniques for indoor millimeter wave communication. , 2017, , .		1
42	Space-Time Trellis-Coded OFDM Systems in Frequency-Selective Mobile Fading Channels. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 660-664.	3.0	1
43	Poster: Space-Time-Polarization ICI Parallel Cancellation OFDM Systems. , 2018, , .		1
44	Space-Time Parallel Cancellation Orthogonal Frequency Division Multiplexing in Power Line Communications. , 2018, , .		1
45	New Space-Frequency Conjugate Two-Path Transmission OFDM Systems. , 2018, , .		1
46	Design Precoded Space-Time-Frequency 4 Å— 1 and 4 Å— 2 OFDM Architectures in Frequency-Selective Fading Channels. IEEE Systems Journal, 2020, 14, 277-287.	4.6	1
47	Novel Approach of Spatial Modulation: Polarization-Aware OFDM Subcarrier Allocation. , 2020, , .		1
48	Cooperative Volt-Ampere Reactive Control for a PV-Enabled Distribution Network With Abnormally High Power Loads. IEEE Systems Journal, 2020, , 1-10.	4.6	1
49	Optimal Management of Active and Reactive Power of Smart Inverters of Solar Units to Prevent Over-Voltage. , 2021, , .		1
50	BER Performance of Pre-Coded Space-Time Conjugate Two-Path OFDM Systems. International Journal of Interdisciplinary Telecommunications and Networking, 2022, 14, 1-13.	0.3	1
51	Design Switchable Precoded Space-Time Parallel Two-Path OFDM Systems. International Journal of Interdisciplinary Telecommunications and Networking, 2022, 14, 0-0.	0.3	1
52	Space-Time Interleaved OFDM Systems in Impulsive Noise and Mobile Fading Channels. , 2022, , .		1
53	Wave Front Sensor for Solar Concentrator Control (October 2007). IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 1307-1319.	4.7	0
54	Fixed-Point Implementation of Cascaded Forward-Backward Adaptive Predictors. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 103-107.	3.2	0

#	ARTICLE	IF	CITATIONS
55	Secured data storage on cloud systems via wavefront multiplexing. , 2013, , .		0
56	BER performance comparisons of pulse design methods on TR-MAS UWB systems. , 2015, , .		0
57	SSR alleviation via analog and digital PID controller. , 2016, , .		0
58	Conjugate ICI cancellation techniques for $2\sqrt{M}-1$ and $4\sqrt{M}-1$ space-time transmit diversity OFDM systems. , 2016, , .		0
59	Generic Simulation Framework for Grid-Connected Photovoltaic and Energy Storage Systems. , 2018, , .		0
60	Optimal Control of Photovoltaic Enabled Grid with Energy Storage System in Utility Side. , 2018, , .		0
61	Space-time ICI conjugate cancellation techniques for OFDMA downlink in mobile fading channels. , 2018, , .		0
62	A Mixed Integer Nonlinear Program Based Power Load Estimator for Distribution Grid. IEEE Systems Journal, 2020, 14, 842-851.	4.6	0
63	A Revisit to HIF Detection in the 12 kV RDCs Using Statistical Methodology and Symlets. , 2020, , .		0
64	Multi Base Stations to Multi Mobile Units: Green Communication Systems via A Wavefront Multiplexing Technique. , 2021, , .		0
65	Green Communication Systems in IOT-Enabled Smart Cities via Wavefront Multiplexing Schemes. , 2021, , .		0
66	From Advanced Digital Signal Processing to Machine Learning. , 2021, , .		0
67	Power Spectrum Estimation by using Digital Frequency Tracking Filter. , 1986, , .		0
68	BER Performance of 4x1 Space-Time Parallel Block Coded Two-Path OFDM Systems. , 2022, , .		0
69	Secured and Adaptive Space-Time Two-Path OFDM Systems. , 2022, , .		0